Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/15/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124177	-1	1.42	124092	1.38
Blue	F	SSC	125000	123293	-2	2.38	123765	2.20
Blue	E	FITC	13602	13092	-4	2.48	367	13.37
Blue	D	PE	24891	24543	-2	1.99	583	10.62
Blue	B	PerCP-Cy5-5	33972	33149	-3	3.11	946	15.12
Blue	A	PE-Cy7	22865	22484	-2	5.13	466	30.66
Red	C	APC	47198	46207	-3	2.84	1595	11.22
Red	A	APC-Cy7	26454	25575	-4	3.42	721	12.02
Violet	B	V450	6737	6311	-7	3.87	436	11.32
Violet	A	V500	29317	27497	-7	3.53	936	8.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24103	2.80	538	3	N/A	N/A	Pass
Blue	F	SSC	55300	2.09	519	-2	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	3	0.0447	110	Pass
Blue	D	PE	113	39.41	491	5	0.4039	325	Pass
Blue	B	PerCP-Cy5-5	149	41.34	583	4	0.0191	55	Pass
Blue	A	PE-Cy7	77	82.37	626	5	0.0226	9	Pass
Red	C	APC	335	25.34	572	0	0.0303	214	Pass
Red	A	APC-Cy7	135	34.73	550	-1	0.0071	1727	Pass
Violet	B	V450	75	46.60	446	-4	0.0639	2555	Pass
Violet	A	V500	110	31.67	465	-4	0.0276	1083	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/15/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.44	-31.30	1.08
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.41	13.90 - 20.86	N/A	N/A	29.69	29.95	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11949

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments